FIG.1

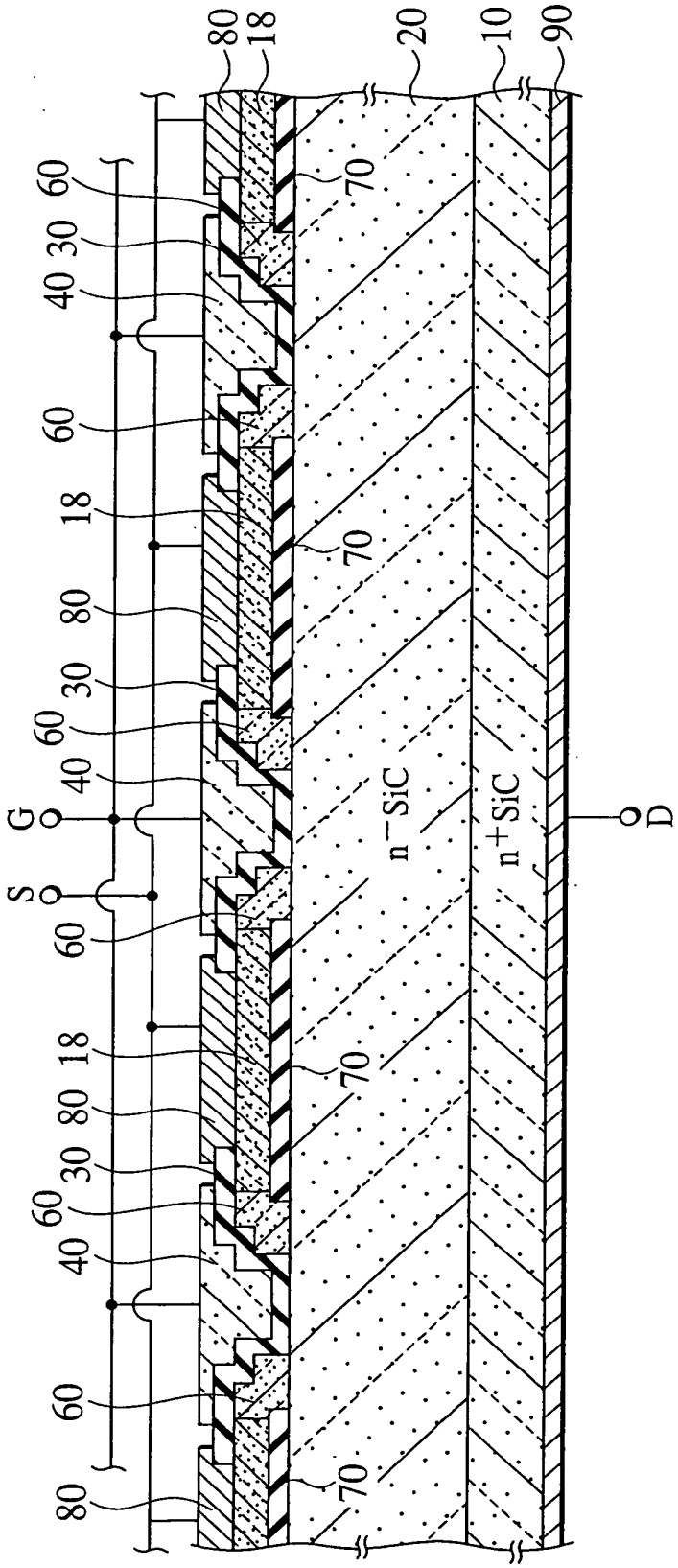

FIG.2A

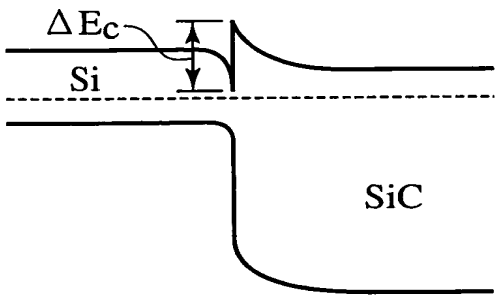

FIG.2B

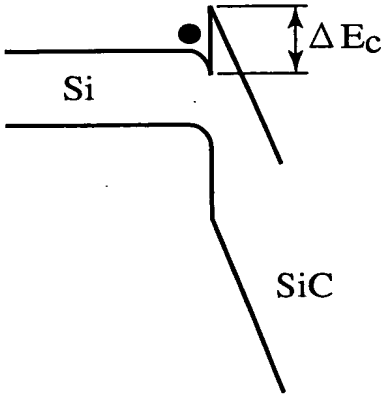

FIG.2C

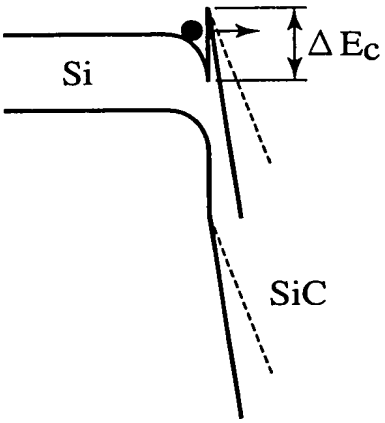

FIG.3A

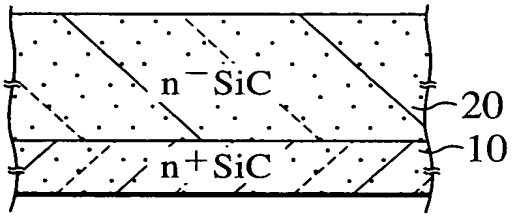

FIG.3C

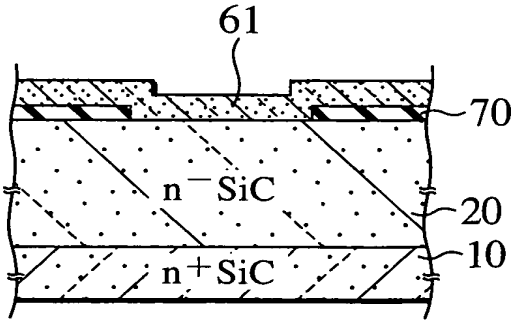

FIG.3B

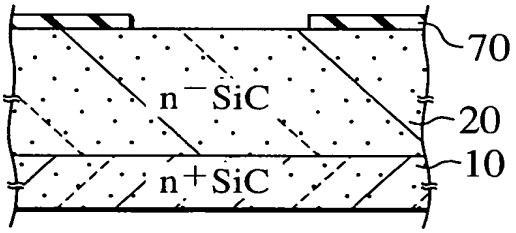

FIG.3D

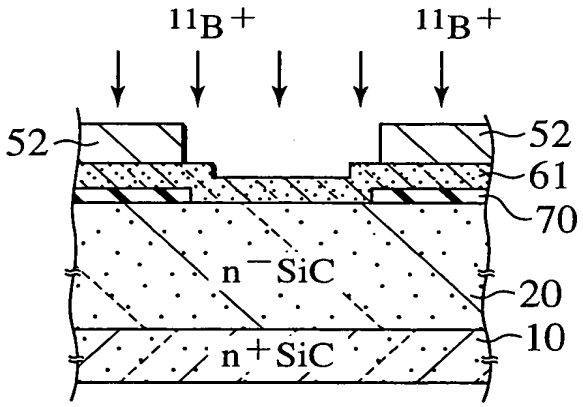

FIG.3E

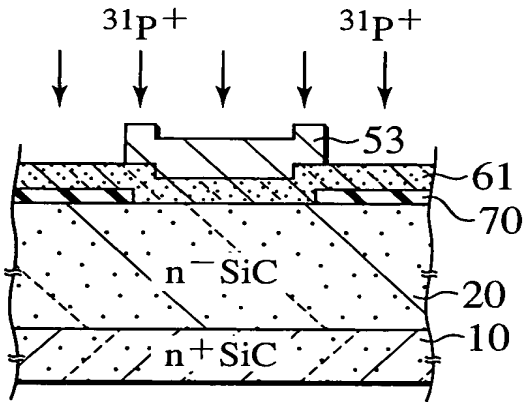

FIG.3G

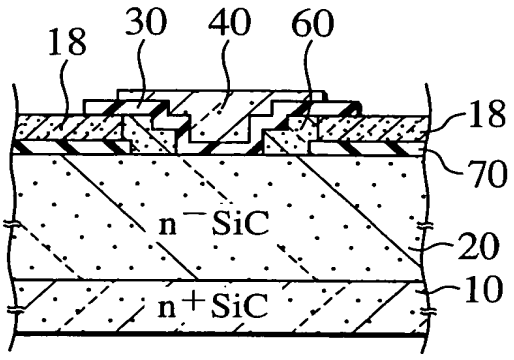

FIG.3F

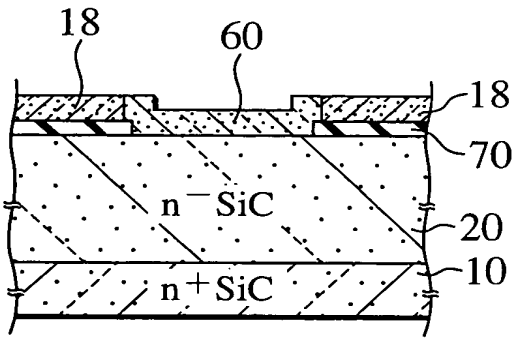

FIG.3H

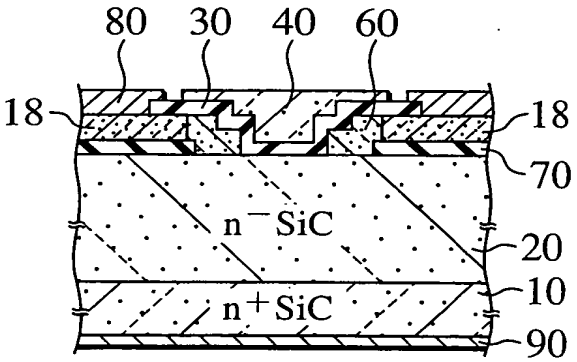

FIG.4

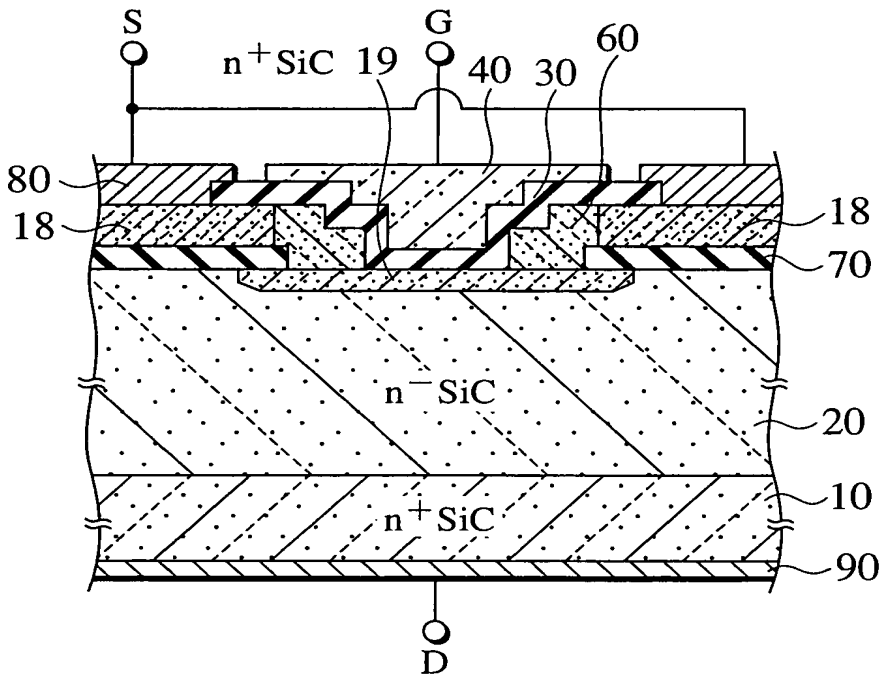

FIG.5

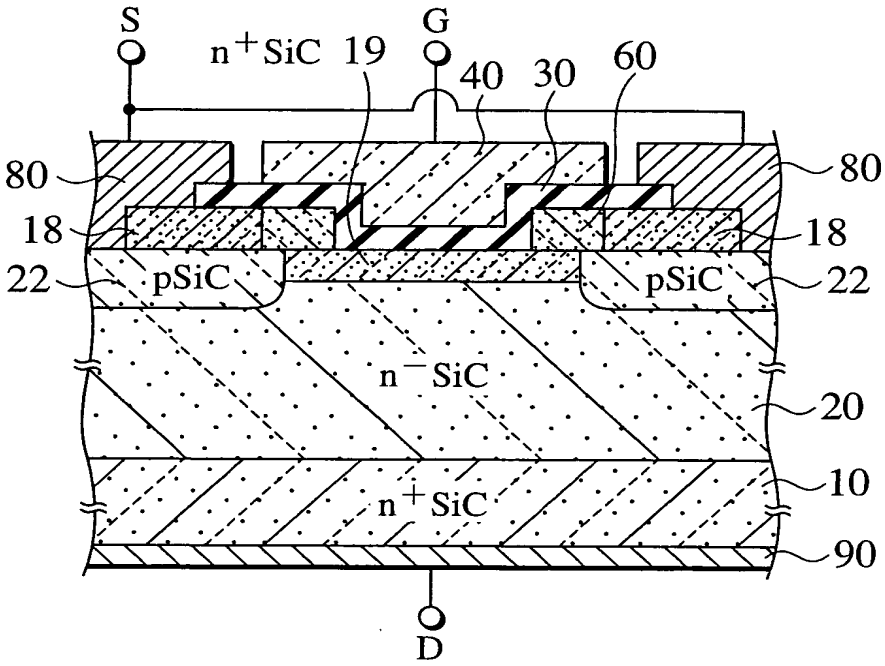
S
n+SiC
19
G
40
30
60
80
80
18
18
22
pSiC
pSiC
22
n−SiC
20
n+SiC
10
90
D

FIG.6

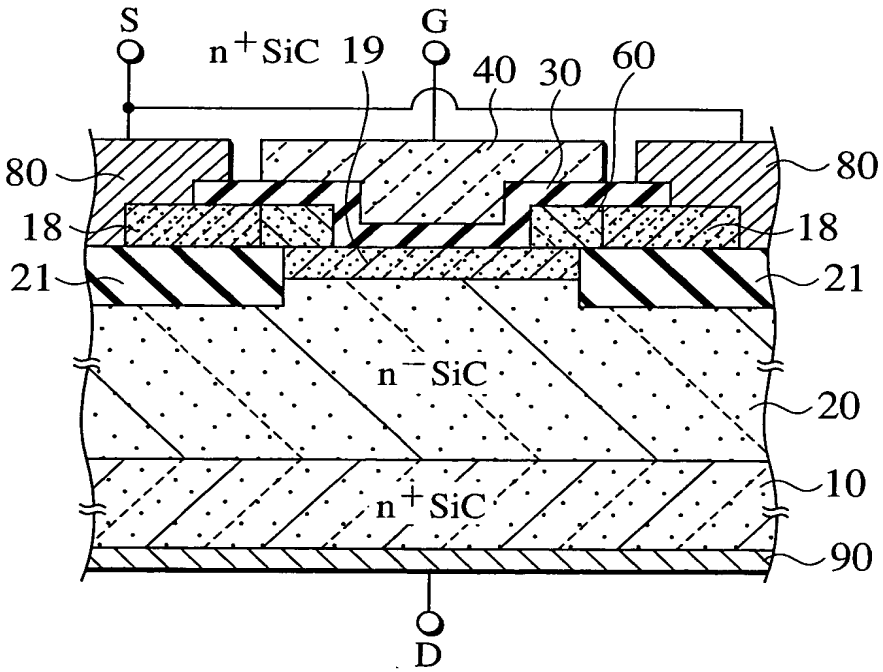
S
n+SiC
19
G
40
30
60
80
80
18
18
21
21
n−SiC
20
n+SiC
10
90
D

FIG.7

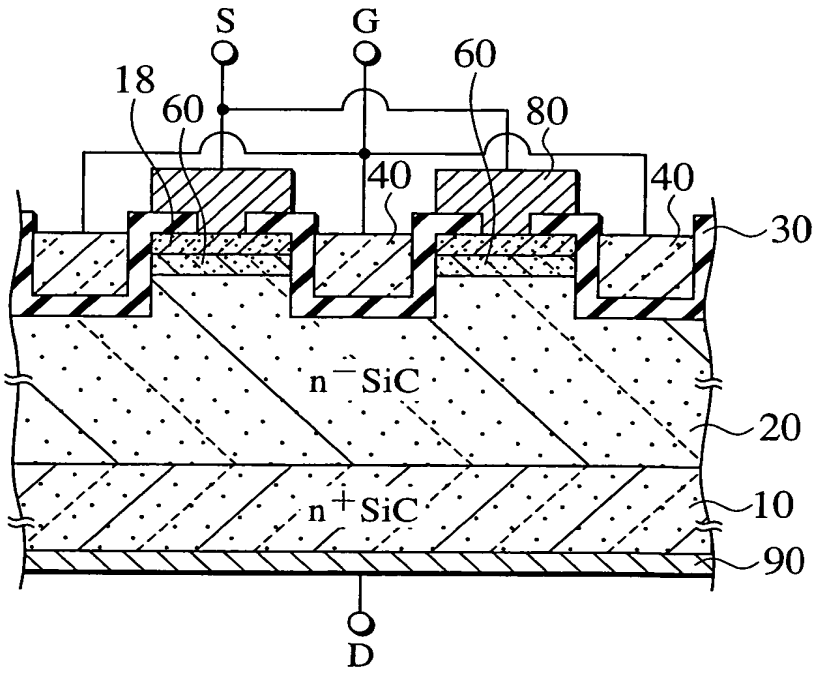
S
G
60
18
60
80
40
40
30
n⁻SiC
20
n⁺SiC
10
90
D

FIG.9

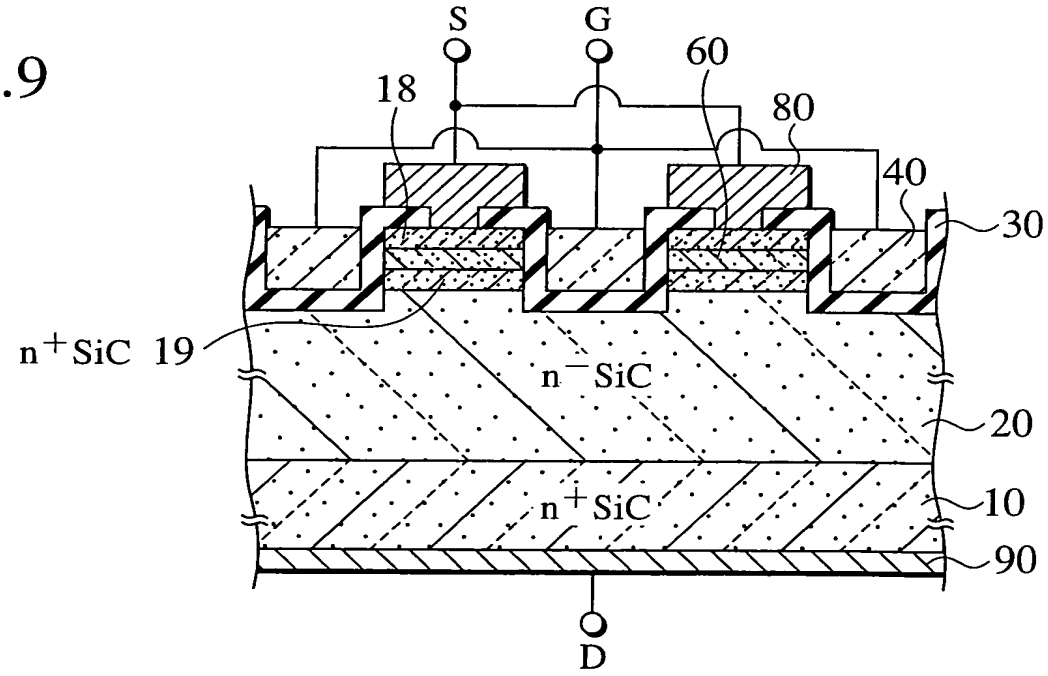
S
G
60
18
80
40
30
n⁺SiC 19
n⁻SiC
20
n⁺SiC
10
90
D

FIG.8A

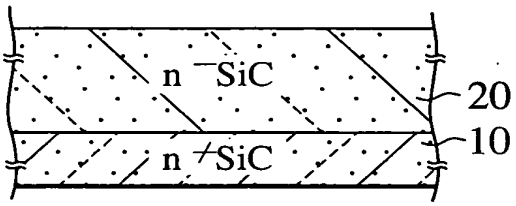

FIG.8B

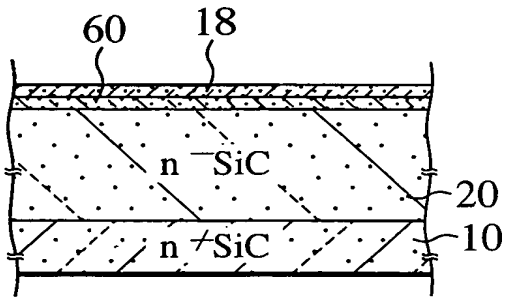

FIG.8C

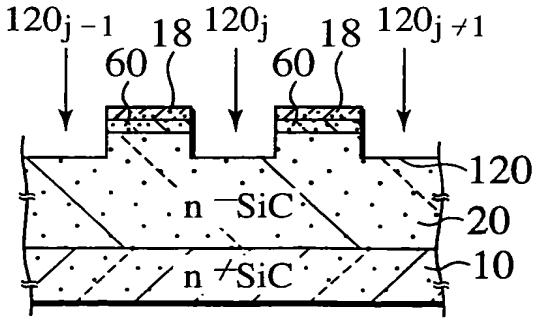

FIG.8D

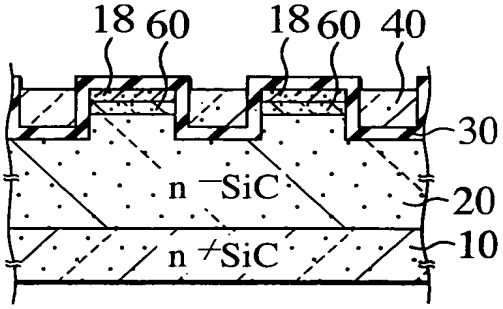

FIG.8E

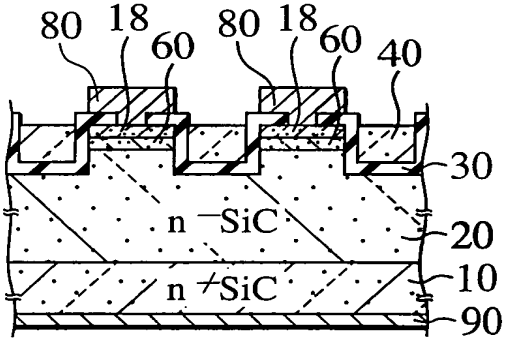

FIG.10

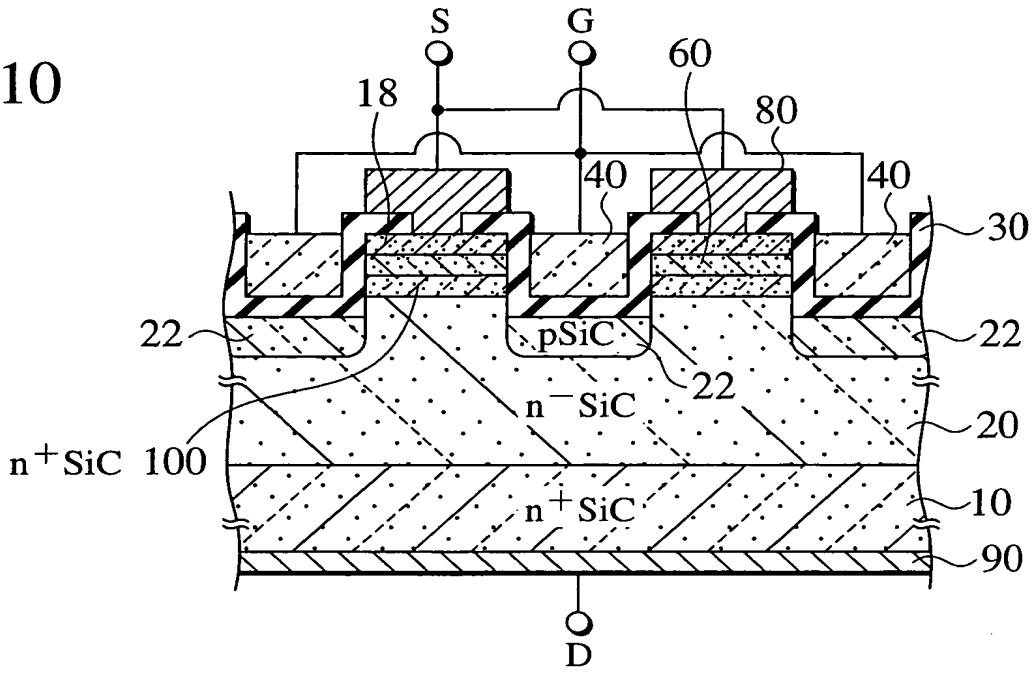
S
G
60
18
80
40
40
30
22
pSiC
22
22
n⁻SiC
20
n⁺SiC 100
n⁺SiC
10
90
D

FIG.11

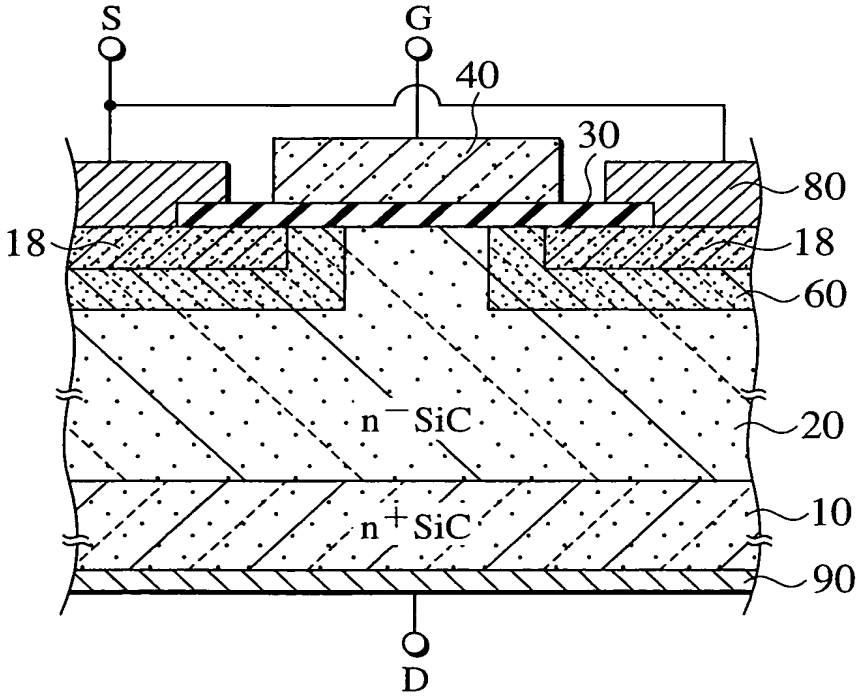
S
G
40
30
80
18
18
60
n⁻SiC
20
n⁺SiC
10
90
D

FIG.12A

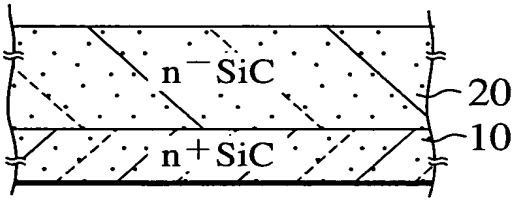

FIG.12C

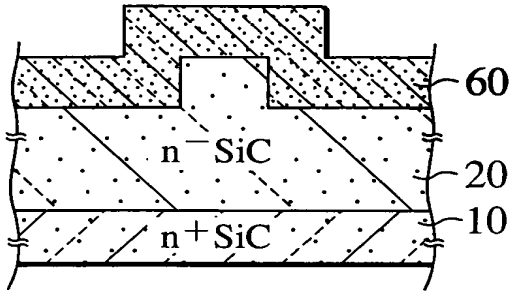

FIG.12B

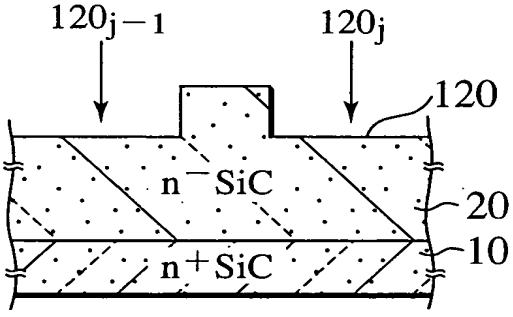

FIG.12D

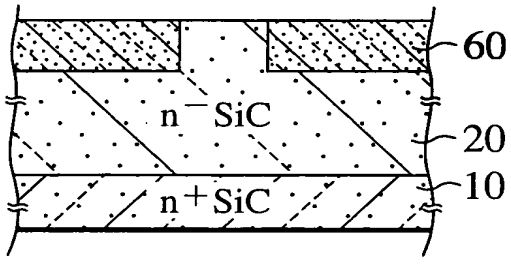

FIG.12E

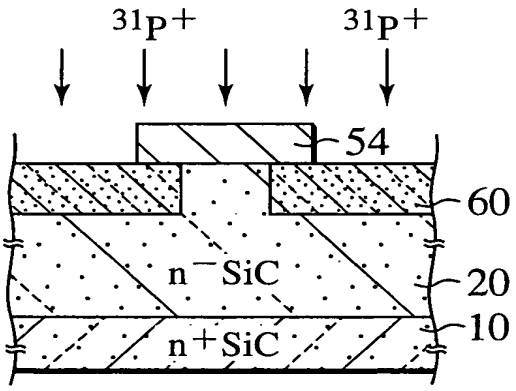

FIG.12G

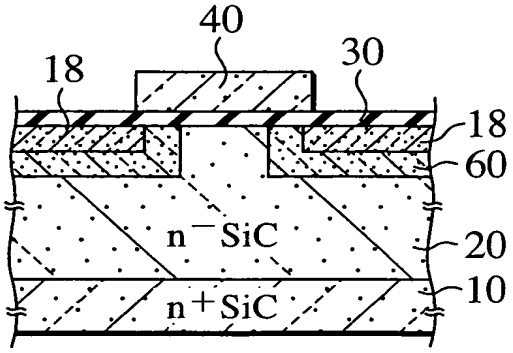

FIG.12F

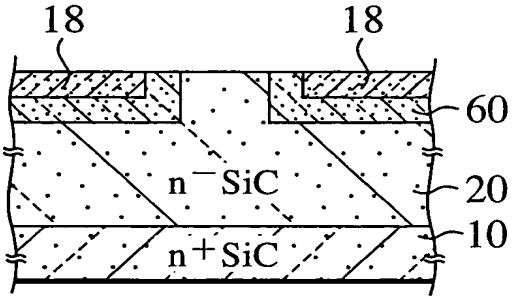

FIG.12H

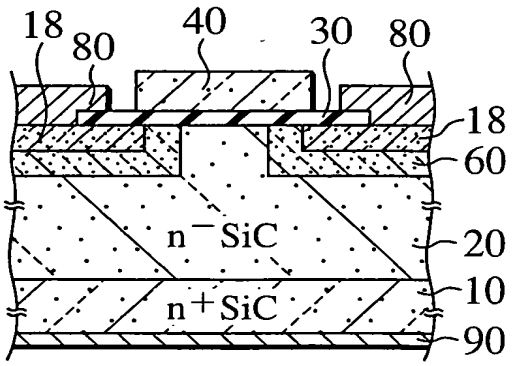

FIG.13

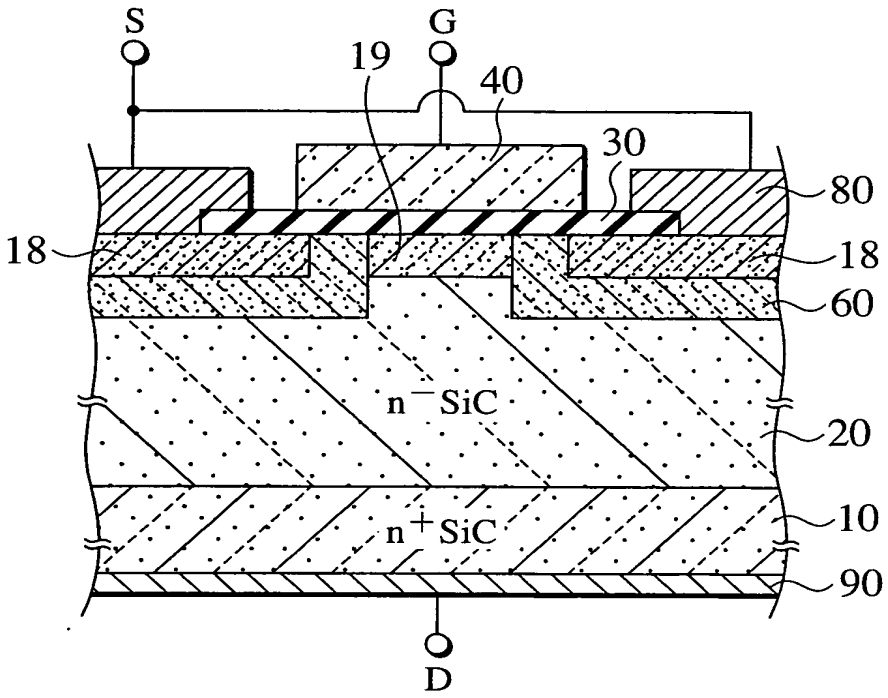
S
G
19
40
30
80
18
18
60
n⁻SiC
20
n⁺SiC
10
90
D

FIG.14

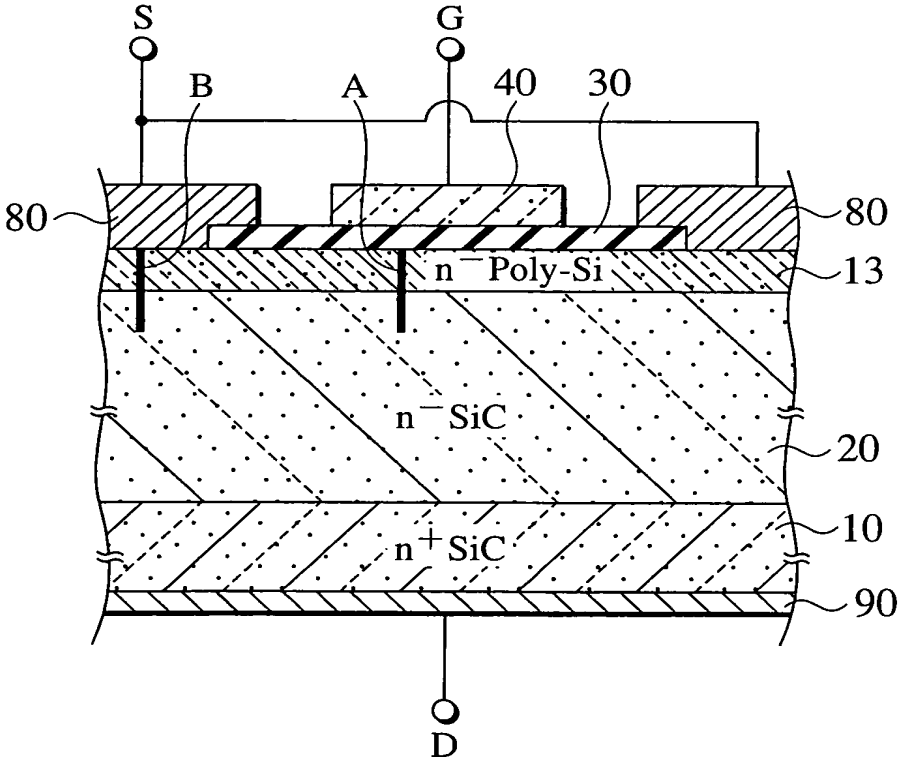
S
G
B
A
40
30
80
80
n⁻Poly-Si
13
n⁻SiC
20
n⁺SiC
10
90
D

FIG.15A

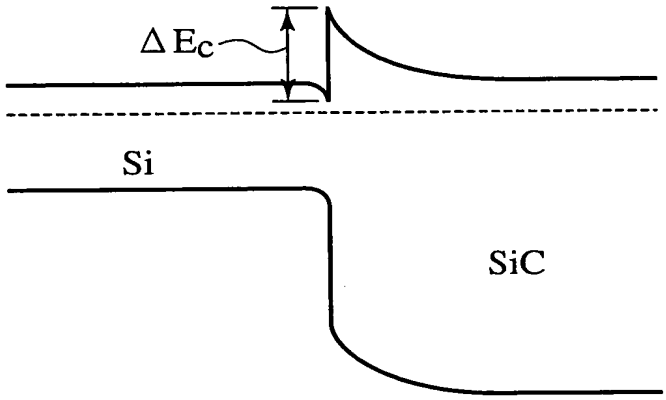

FIG.15B

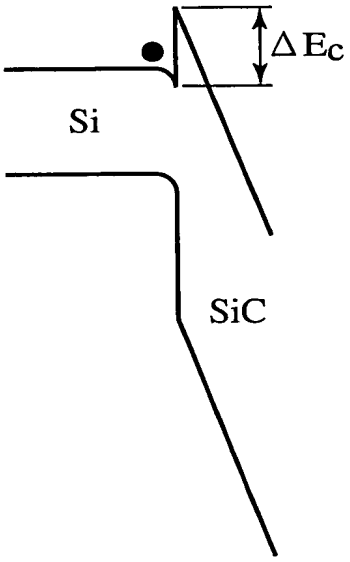

FIG.15C

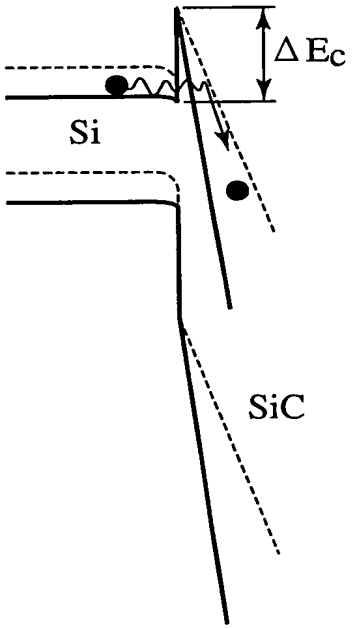

FIG.16

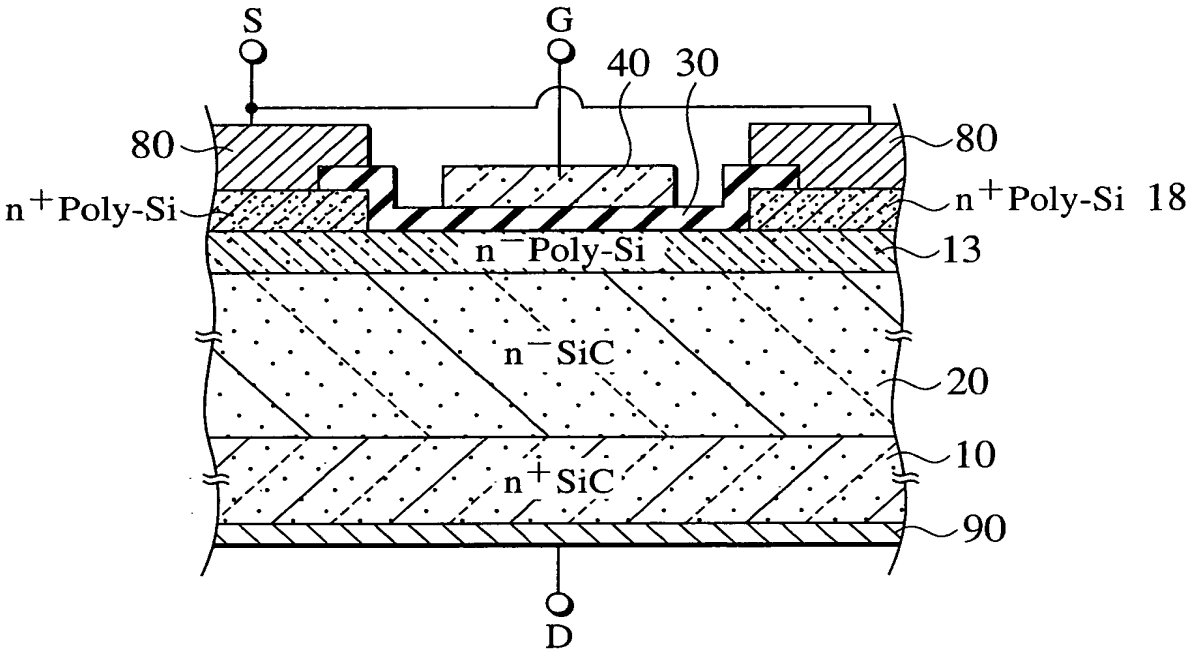
S
G
40
30
80
80
n+Poly-Si
n+Poly-Si
18
n−Poly-Si
13
n−SiC
20
n+SiC
10
90
D

FIG.17

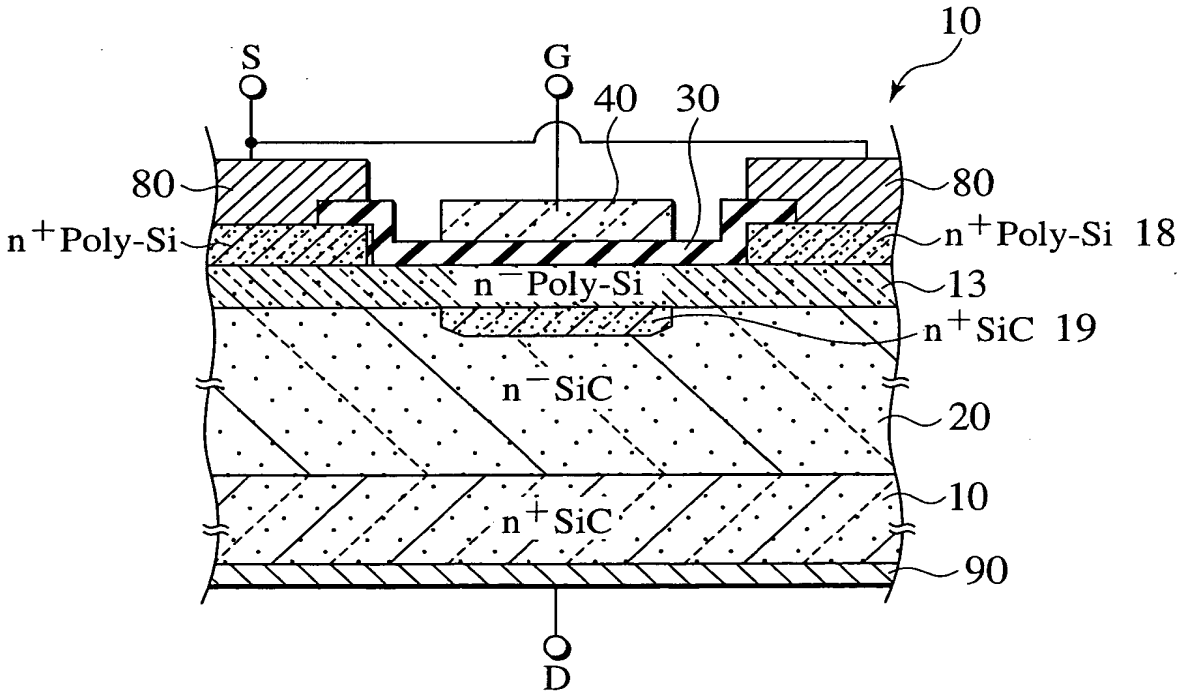
10
S
G
40
30
80
80
n+Poly-Si
n+Poly-Si
18
n−Poly-Si
13
n+SiC
19
n−SiC
20
n+SiC
10
90
D

FIG.18

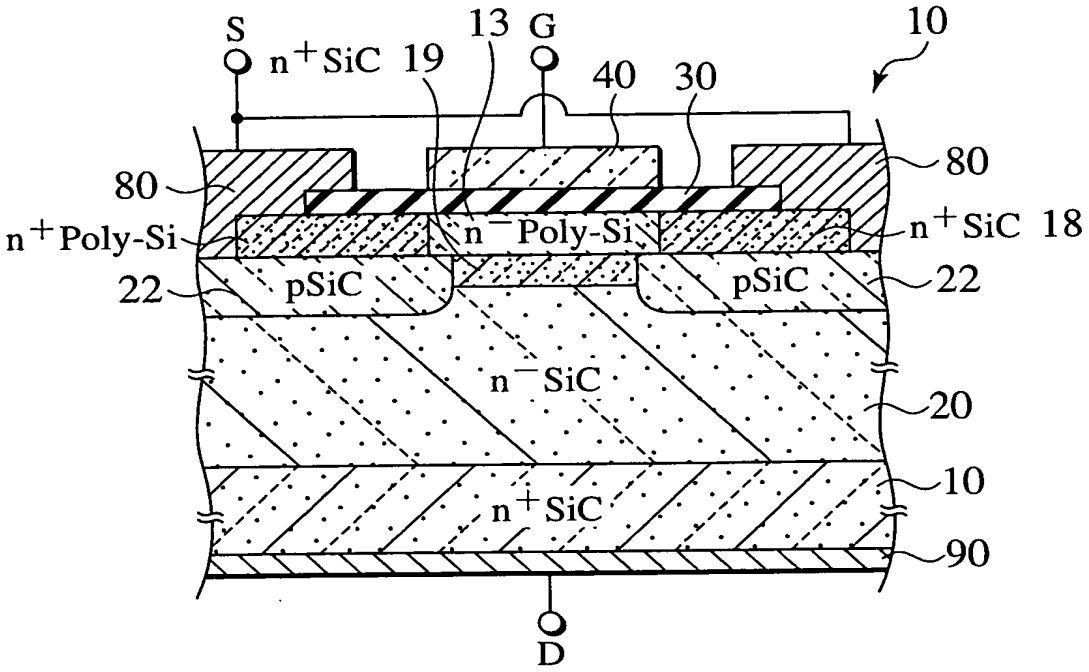
S
n+SiC 19
13
G
40
30
10
80
80
n+Poly-Si
n−Poly-Si
n+SiC 18
22
pSiC
pSiC
22
n−SiC
20
n+SiC
10
90
D

FIG.19

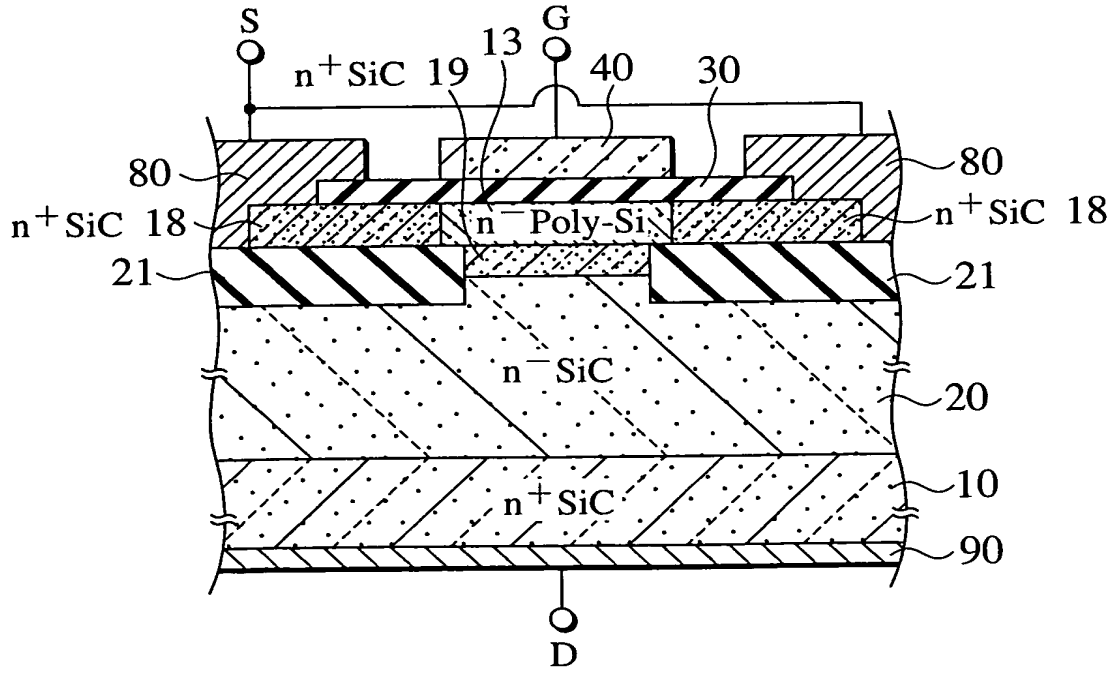
S
G
n+SiC 19
13
40
30
80
80
n+SiC 18
n−Poly-Si
n+SiC 18
21
21
n−SiC
20
n+SiC
10
90
D

FIG.20

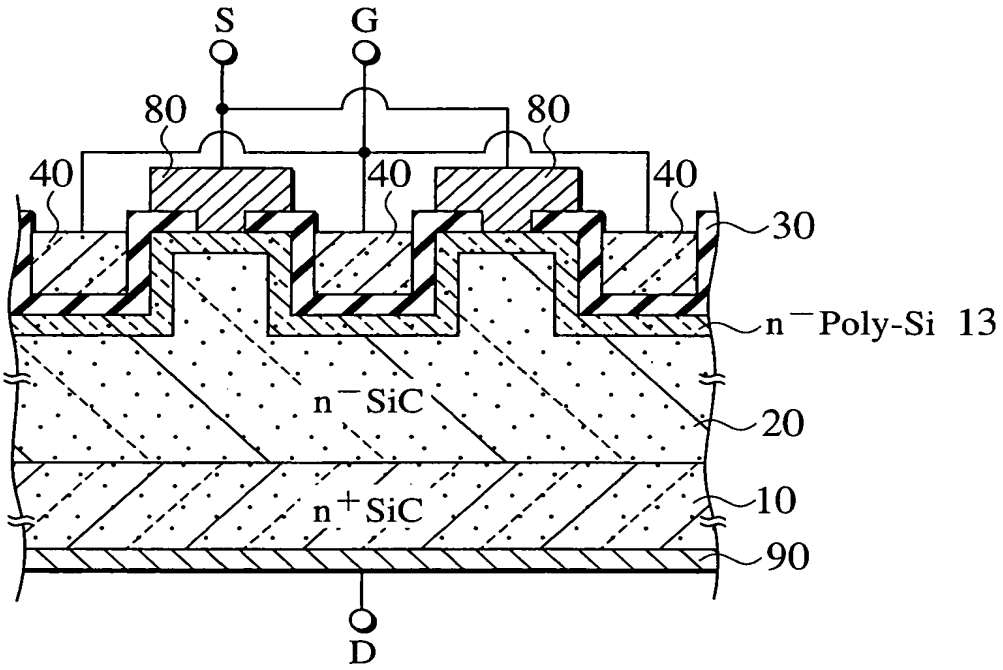
S
G
80
80
40
40
40
30
n⁻Poly-Si 13
n⁻SiC
20
n⁺SiC
10
90
D

FIG.21

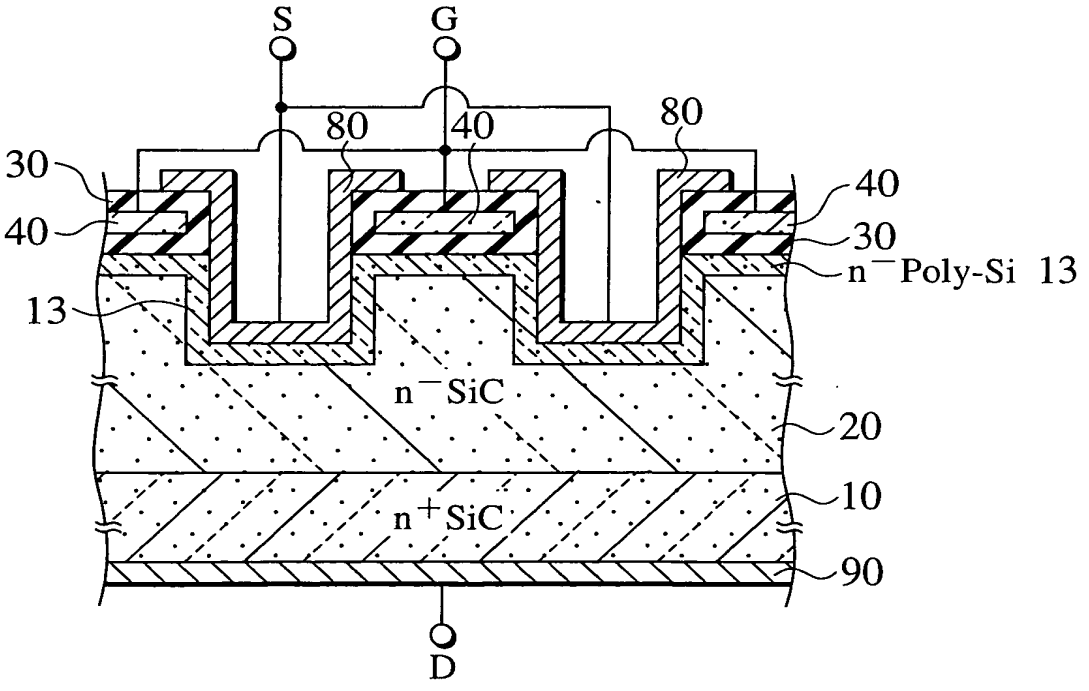
S
G
80
40
80
30
40
40
30
n⁻Poly-Si 13
13
n⁻SiC
20
n⁺SiC
10
90
D

FIG.22

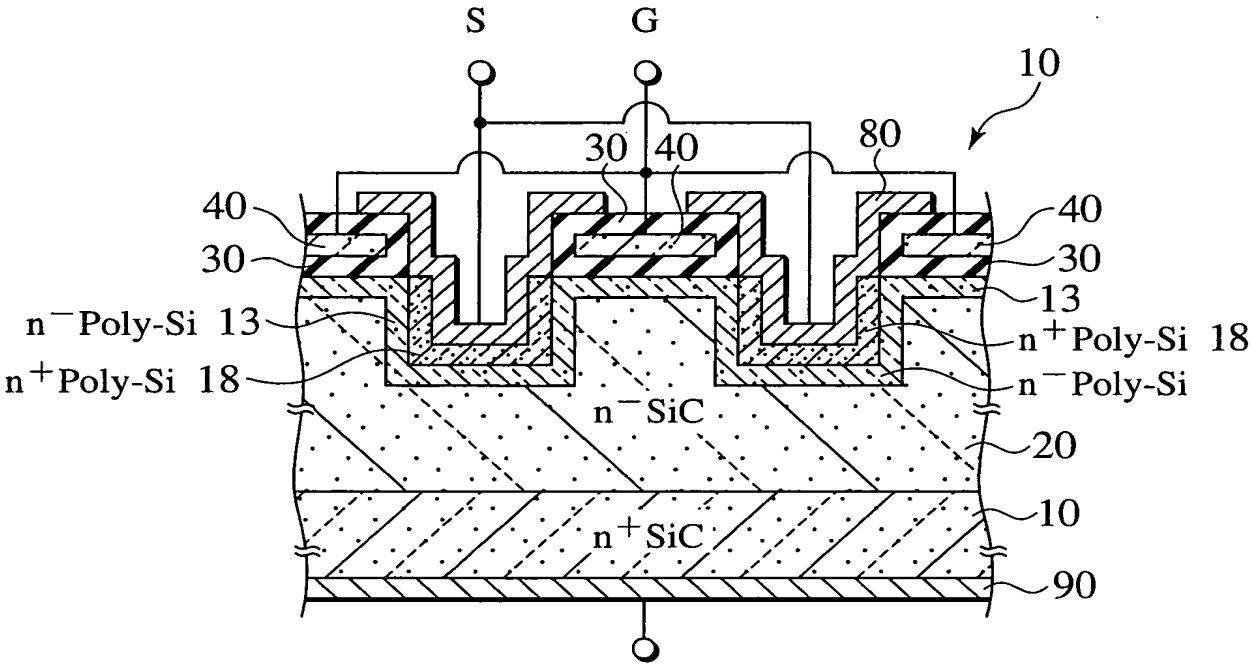
S
G
10
30
40
80
40
30
n⁻Poly-Si 13
n⁺Poly-Si 18
40
30
13
n⁺Poly-Si 18
n⁻Poly-Si
n⁻SiC
20
n⁺SiC
10
90

FIG.23

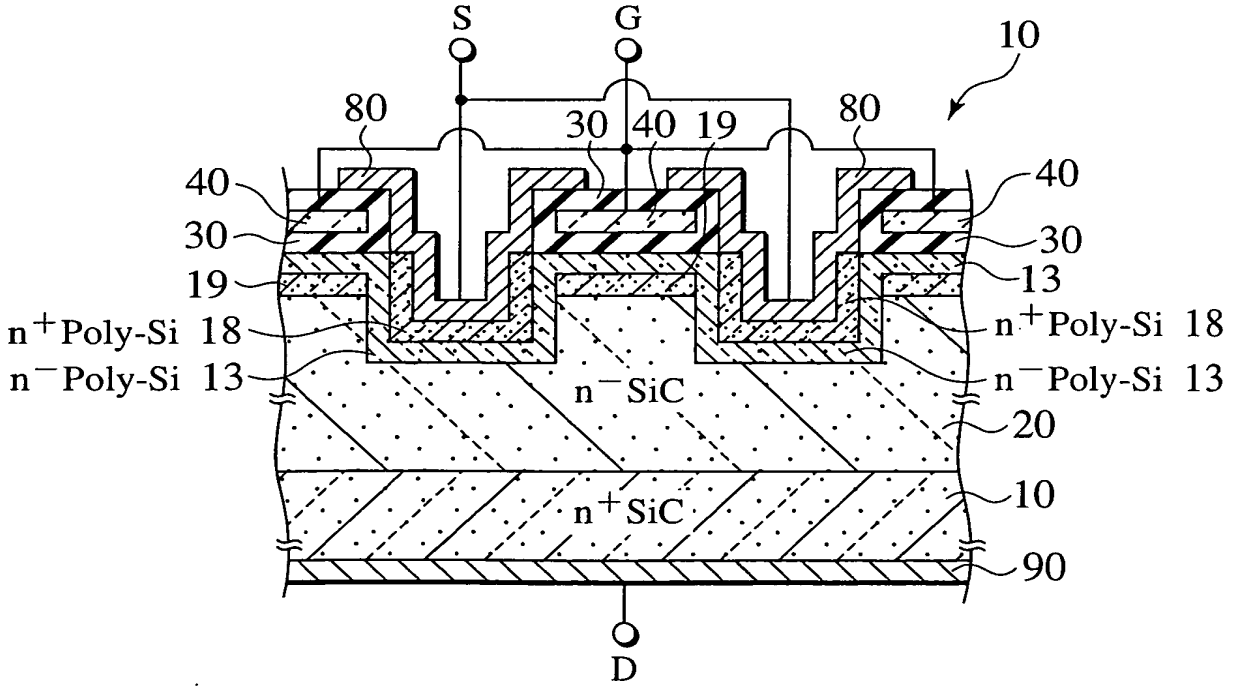
S
G
10
80
30
40
19
80
40
30
19
n⁺Poly-Si 18
n⁻Poly-Si 13
40
30
13
n⁺Poly-Si 18
n⁻Poly-Si 13
n⁻SiC
20
n⁺SiC
10
90
D

FIG.24

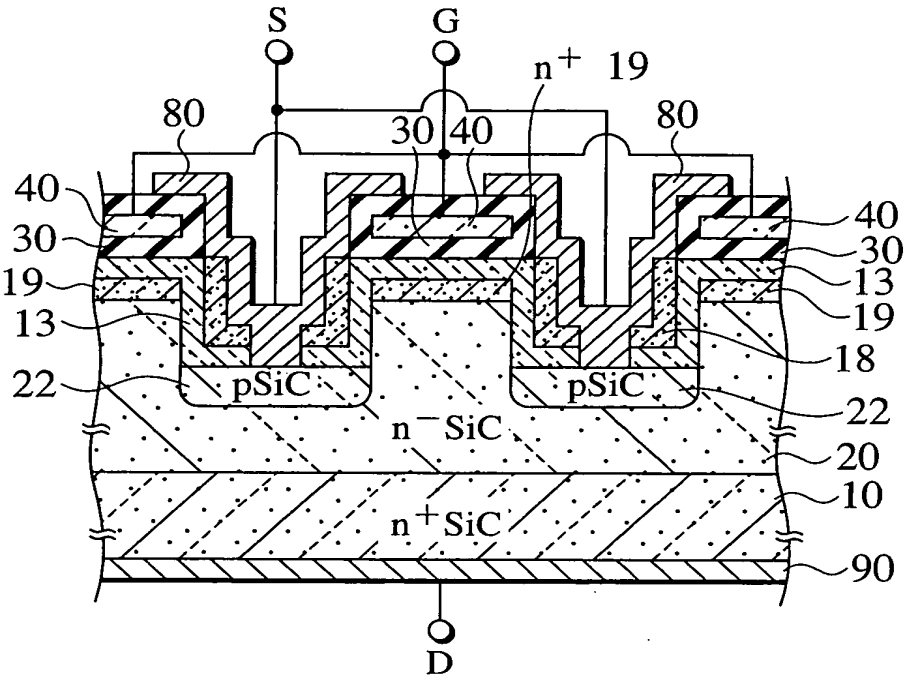
S
G
n+ 19
80
30
40
80
40
30
19
13
22
pSiC
pSiC
40
30
13
19
18
22
n− SiC
20
10
n+SiC
90
D

FIG.25

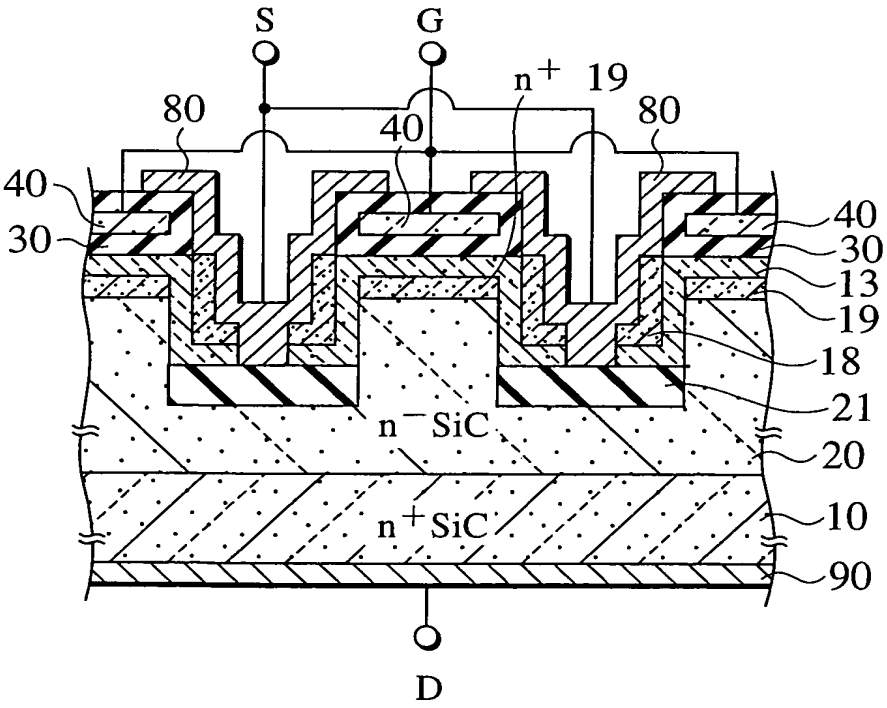
S
G
n+ 19
80
40
80
40
30
40
30
13
19
18
21
n− SiC
20
10
n+SiC
90
D

FIG.26

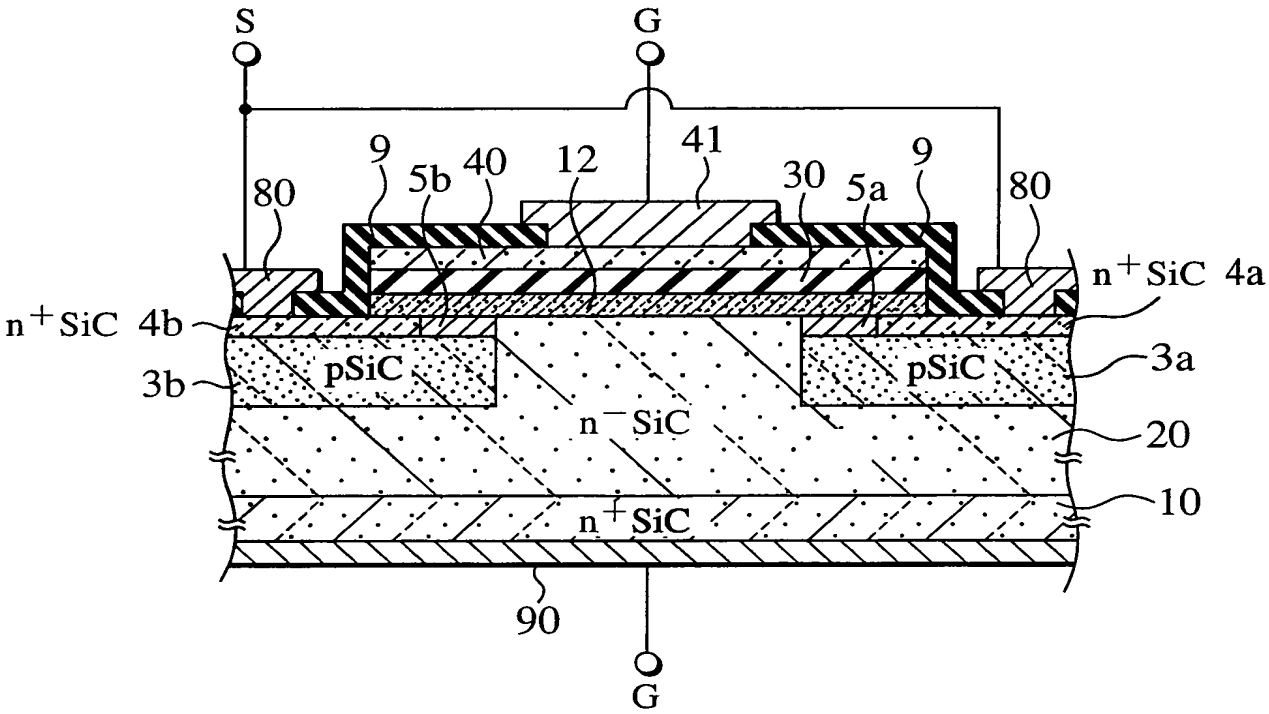
S
G
9
5b
40
12
41
30
5a
9
80
80
n+SiC 4a
n+SiC 4b
3b
pSiC
pSiC
3a
n−SiC
20
n+SiC
10
90
G

FIG.27A

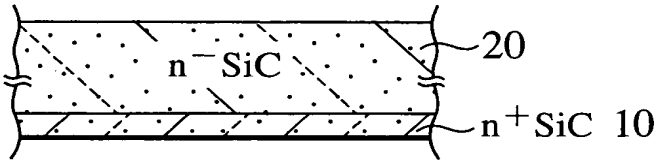

FIG.27B

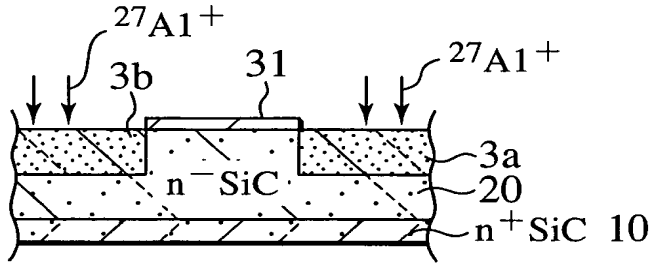

FIG.27C

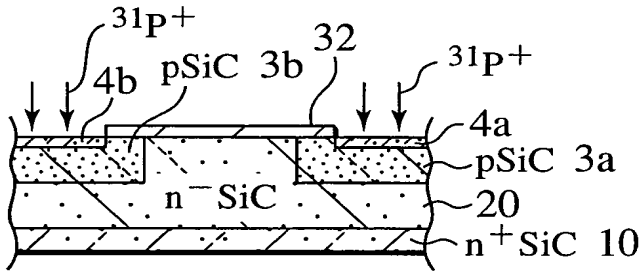

FIG.27D

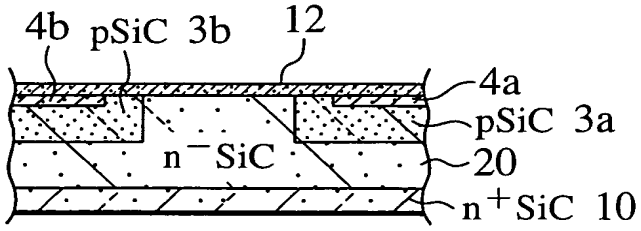

FIG.27E

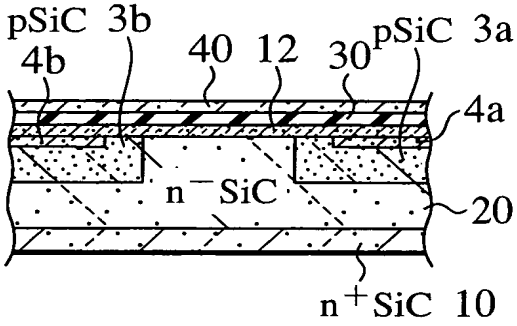

FIG.27F

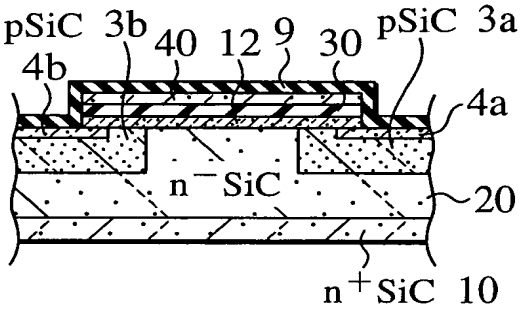

FIG.27G

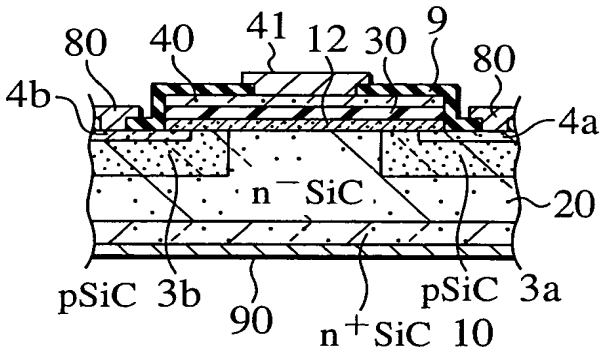

FIG.28

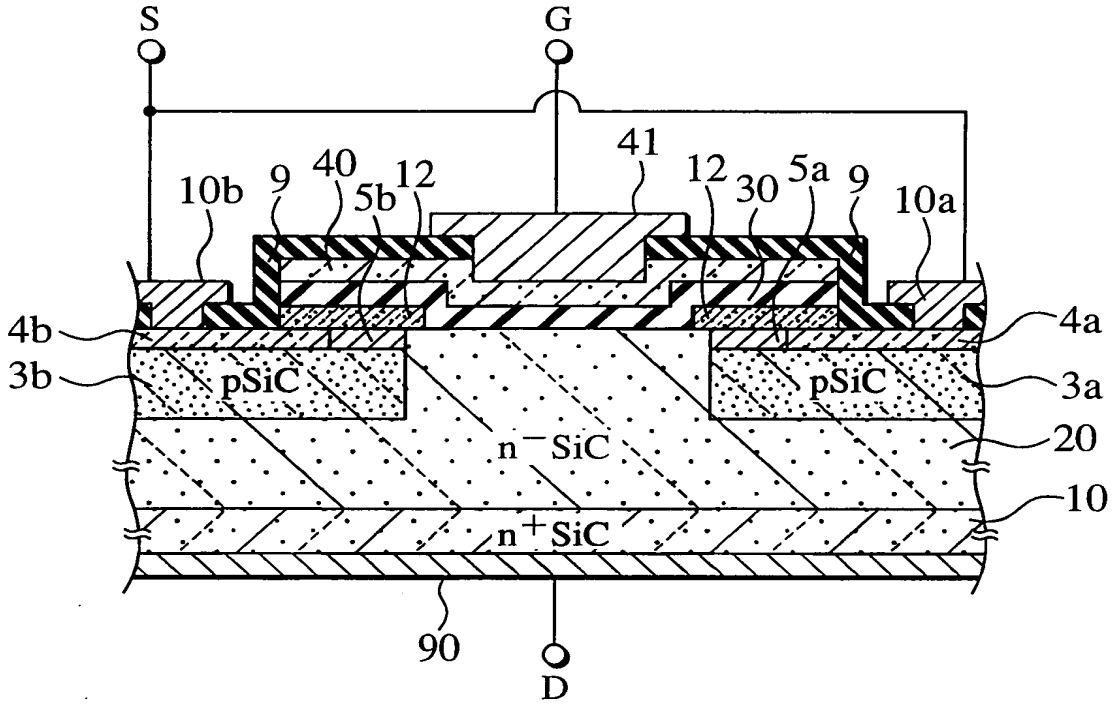
S
G
41
10b
9
40
5b
12
12
30
5a
9
10a
4b
4a
3b
pSiC
pSiC
3a
n−SiC
20
10
n+SiC
90
D

FIG.29

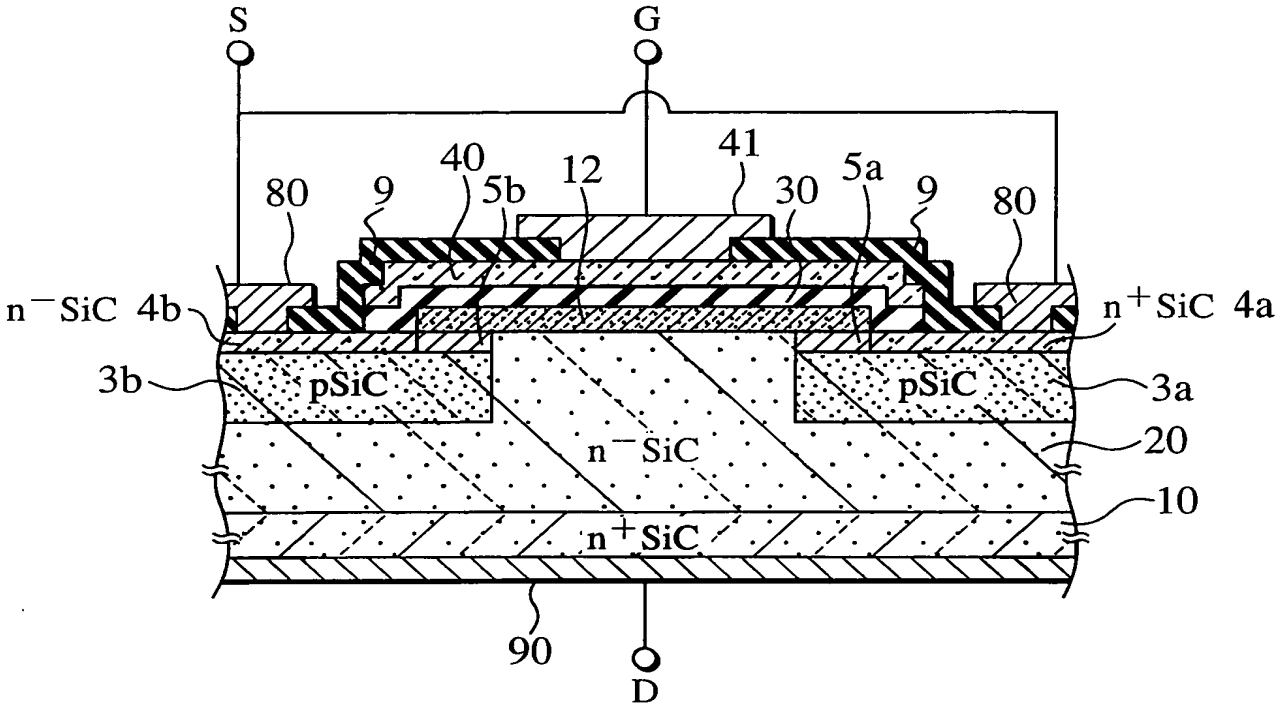
S
G
40
41
80
9
5b
12
30
5a
9
80
n−SiC 4b
n+SiC 4a
3b
pSiC
pSiC
3a
n−SiC
20
10
n+SiC
90
D

FIG.30

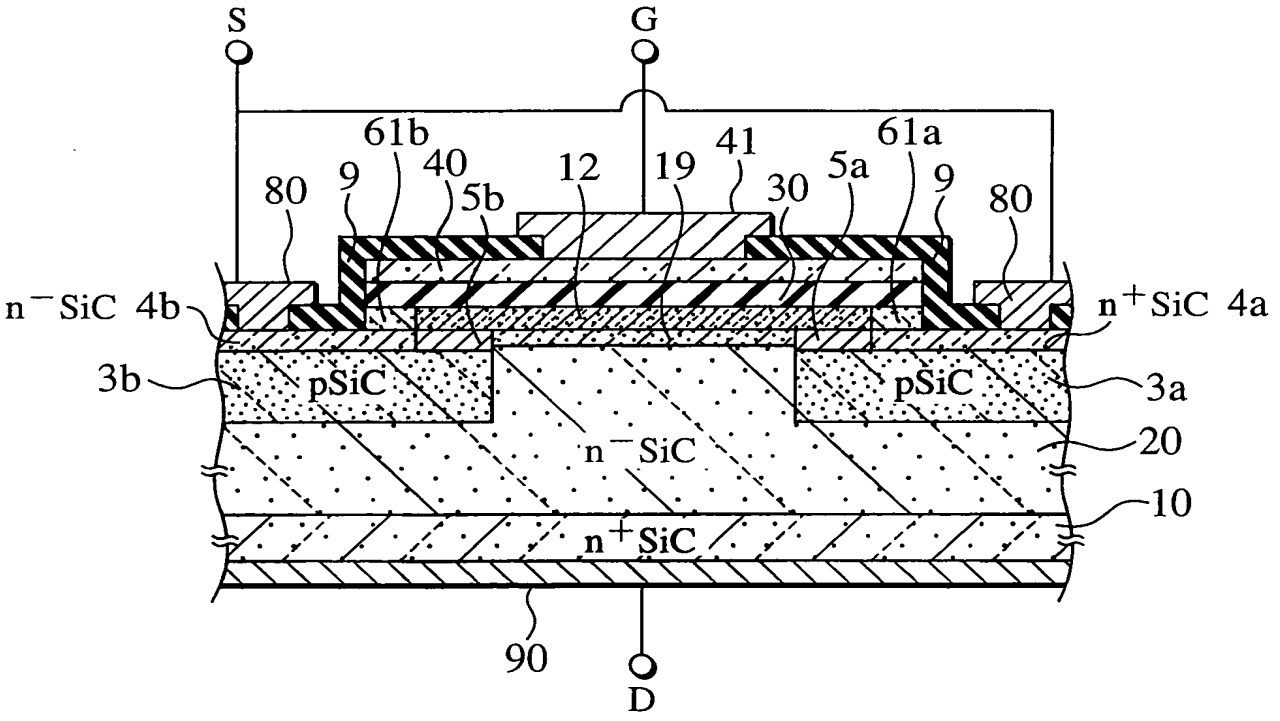
S
G
61b
40
41
61a
80
9
5b
12
19
30
5a
9
80
n−SiC 4b
n+SiC 4a
3b
pSiC
pSiC
3a
n−SiC
20
10
n+SiC
90
D

FIG.31A

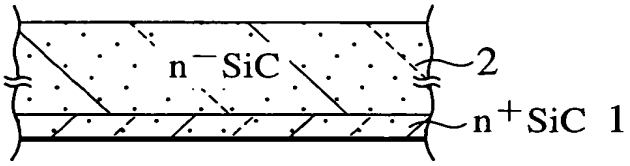

FIG.31B

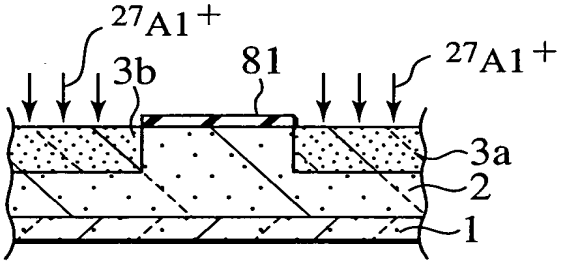

FIG.31C

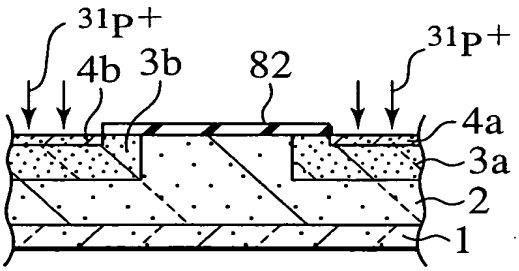

FIG.31D

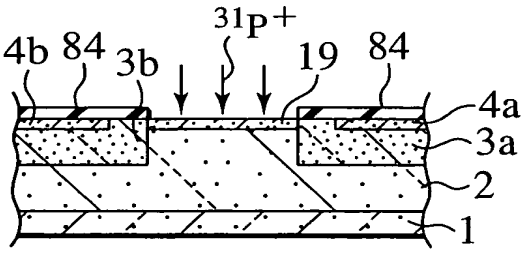

FIG.31E

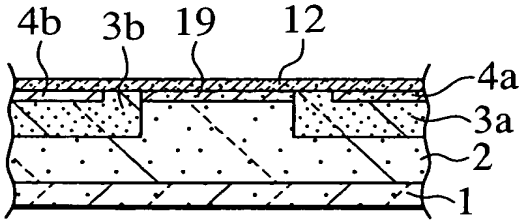

FIG.31F

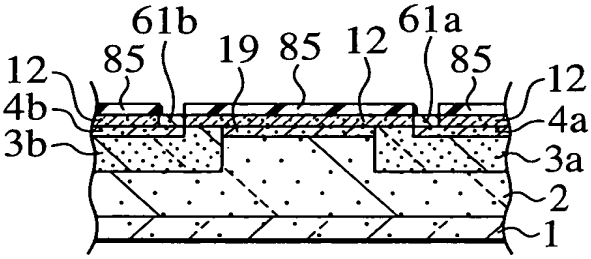

FIG.31G

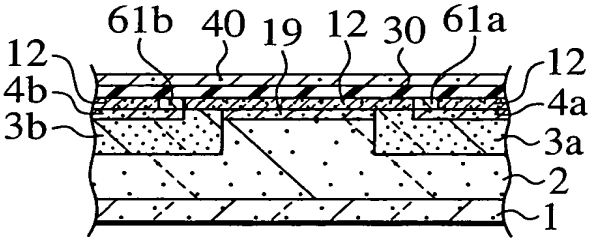

FIG.31H

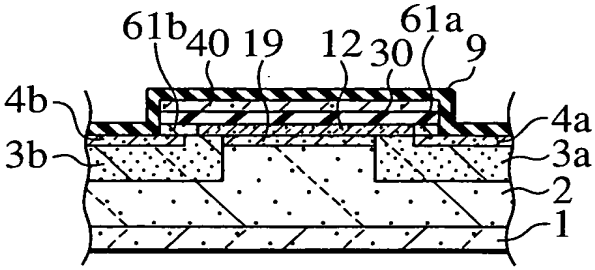

FIG.31I

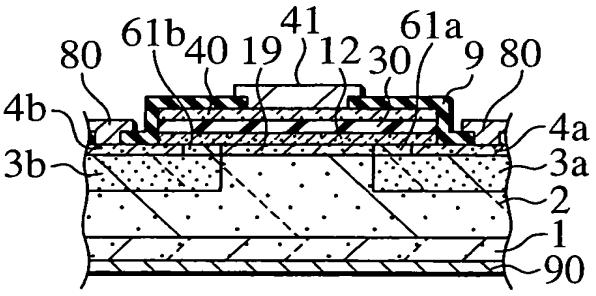

FIG.32

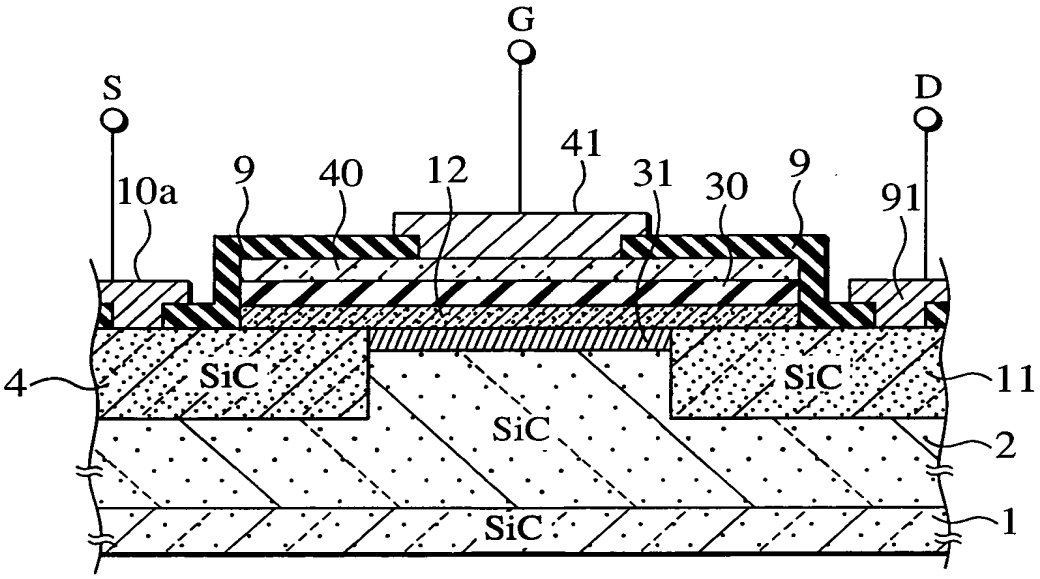

FIG.33A

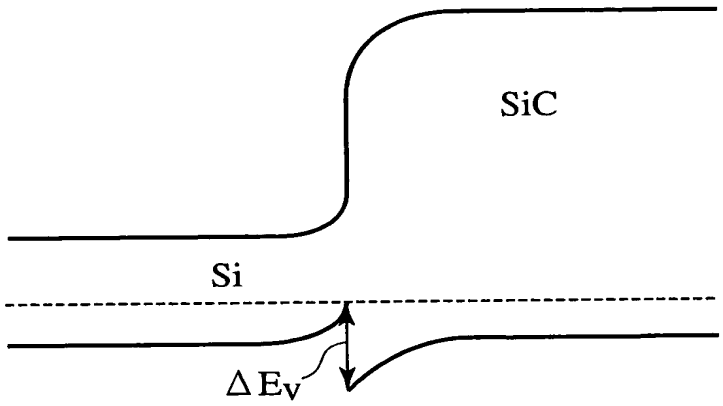

FIG.33B

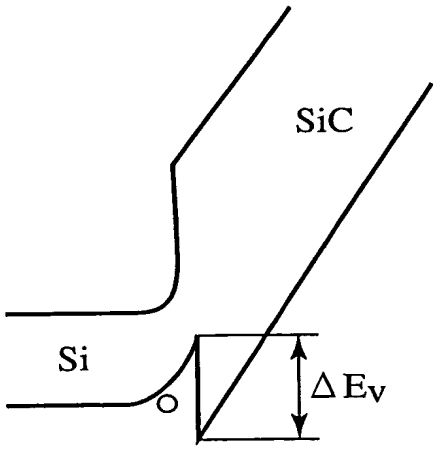
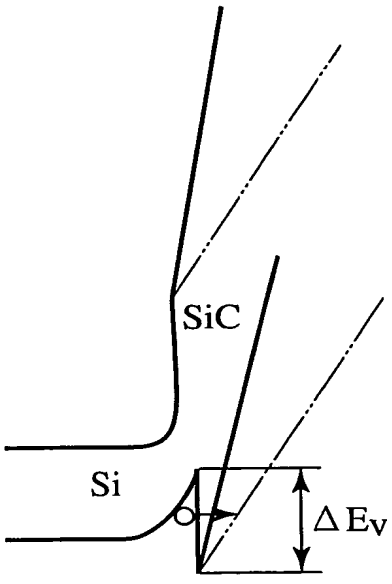
FIG.33C